

## BAV Mitteilungen Nr. 167

K. Bernhard et. al. in IBVS No. 5599.

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### Beobachtungen von GSC 1927-0862 = Brh V130, GSC 4992-0663 = Brh V134 und GSC 5749-1622 = Brh V137

Detaillierte Beobachtungen der von Klaus Bernhard entdeckten Veränderlichen Brh V130, Brh V134 und Brh V137 durch Peter Frank und Wolfgang Quester zeigten, dass diese drei Veränderlichen W-UMa-Sterne sind. Auffallend ist für Brh V130, dass er die W-UMa-Stern typische Periode von ca. 0.54 Tagen hat, die Form der Lichtkurve gleicht aber dem  $\beta$ -Lyrae-Typ. Brh V137 ist sehr wahrscheinlich identisch mit einer hellen Röntgenquelle des ROSAT All-Sky Bright Source Catalogue (1RXS), was nicht sehr häufig ist.

Die Meldung erschien mit folgendem Kurztext in IBVS Nr. 5599 (1. Sept. 2004):

**Date:** 1 September 2004

**Observer(s) and affiliation(s):**

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SIMBAD: [GSC 1927-0862](#)

**Name of the object:**

GSC 1927-0862 = Brh V130

**Remarks:**

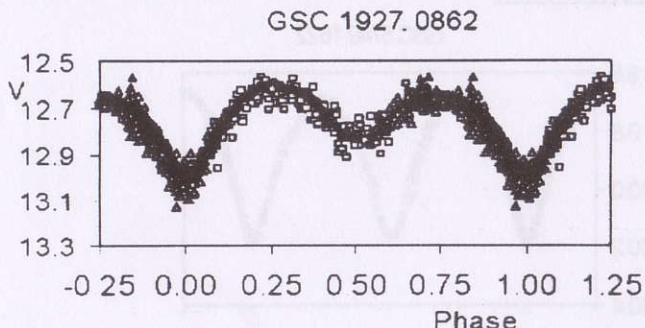
GSC 1927-0862 (RA: 08 08 15.9 DEC: +23 04 10, J2000) is a W UMa star with the ephemeris: HJDminI = 2452707.522 + 0.536435 x E, range (unfiltered, near V): 12.7-13.1

**Electronically available:**

folded light curve, Figure: [/pub/ibvs/5501/5599-fl4.jpg](#)

data file, Data file: [/pub/ibvs/5501/5599-t10.txt](#)

ROTSE1data: [NSVS 7316757](#)



SIMBAD: [GSC 4992-0663](#)

**Name of the object:**

GSC 4992-0663 = Brh V134

**Remarks:**

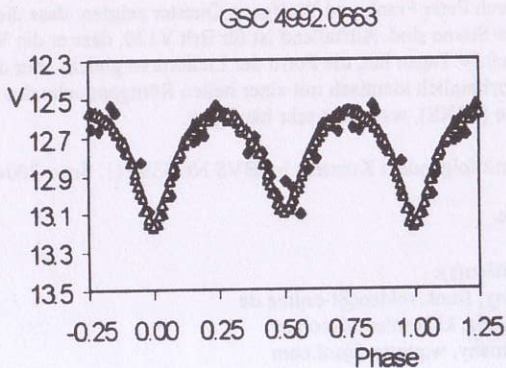
GSC 4992.0663 (RA: 14 36 28.4 DEC: -05 36 22, J2000) is a W UMa star with the ephemeris: HJD<sub>minI</sub> = 2452811.400 + 0.242075 x E, range (unfiltered, near V): 12.6-13.1

**Electronically available:**

folded light curve, Figure: [/pub/ibvs/5501/5599-f15.jpg](#)

data file, Data file: [/pub/ibvs/5501/5599-t11.txt](#)

ASAS3data: [ASAS 143628-0536.4](#)



SIMBAD: [GSC 5749-1622](#)

**Name of the object:**

GSC 5749-1622 = Brh V137

**Remarks:**

Though W UMa stars often can be identified with an X-ray source, an entry in the ROSAT All-Sky Bright Source Catalogue (1RXS) is quite rare. GSC 5749-1622 (RA: 20 19 49.6 DEC: -12 30 38, J2000) can be identified with 1RXS J201950.0-123037, the Tycho-2 Spectral Type Catalog gives the spectral type F8/G0 V, corresponding to an effective temperature of 6200 K. Ephemeris: HJD<sub>minI</sub> = 2452909.387 + 0.418895 x E, range (unfiltered, near V): 9.7-10.3

**Electronically available:**

folded light curve, Figure: [/pub/ibvs/5501/5599-f16.jpg](#)

data file, Data file: [/pub/ibvs/5501/5599-t12.txt](#)

ASAS3data: [ASAS 201950-1230.6](#)

